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(54) Title: GRAFTING OF NITROXYL TERMINATED OLIGOMERS OR POLYMERS ONTO THERMOPLASTIC POLYMERS

(57) Abstract: The instant invention relates to a process for the preparation of grafted polymers wherein in a first step A) a oligomer or polymer is prepared by controlled radical polymerization in the presence of a stable free nitroxyl radical or a nitroxylether to obtain a nitroxyl terminated oligomer or polymer and in a second step B) the nitroxyl terminated oligomer or polymer is mixed and reacted with a thermoplastic or elastomeric polymer or copolymer in its molten state at a temperature at which cleavage of the nitroxyl-polymer/oligomer bond occurs, whereby the nitroxyl terminated oligomer or polymer is grafted onto the thermoplastic or elastomeric polymer. A further subject of the present invention is a grafted polymer prepared by said process.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08F4/00 C08G81/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08F C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 135 280 A (COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORG.) 27 March 1985 (1985-03-27) cited in the application	
A	DE 43 28 004 A (BASF) 23 February 1995 (1995-02-23)	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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